RESPONSIVE ADVENTURES

- L E V E L   4 -

RESPONSIVE ADVENTURES

The Mobile First Approach

Responsive Applied

Advanced Media Queries

Level 4

THE MOBILE FIRST APPROACH

"prepares you for the explosive growth and new opportunities on the mobile internet,

forces you to focus,

enables you to innovate in ways you previously couldn't."

Luke Wroblewski (Mobile First, 5)

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THE MOBILE FIRST APPROACH

Focus on the most important things:

Simplify content

Prioritize layout

Optimize user experience

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RESPONSIVE DESIGN

Is Responsive the same as Adaptive?

- *All Responsive are Adaptive*

- *Not all Adaptive are Responsive*

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RESPONSIVE DESIGN

Responsive designs provide continuity between contexts

Responsive designs are portable and accessible
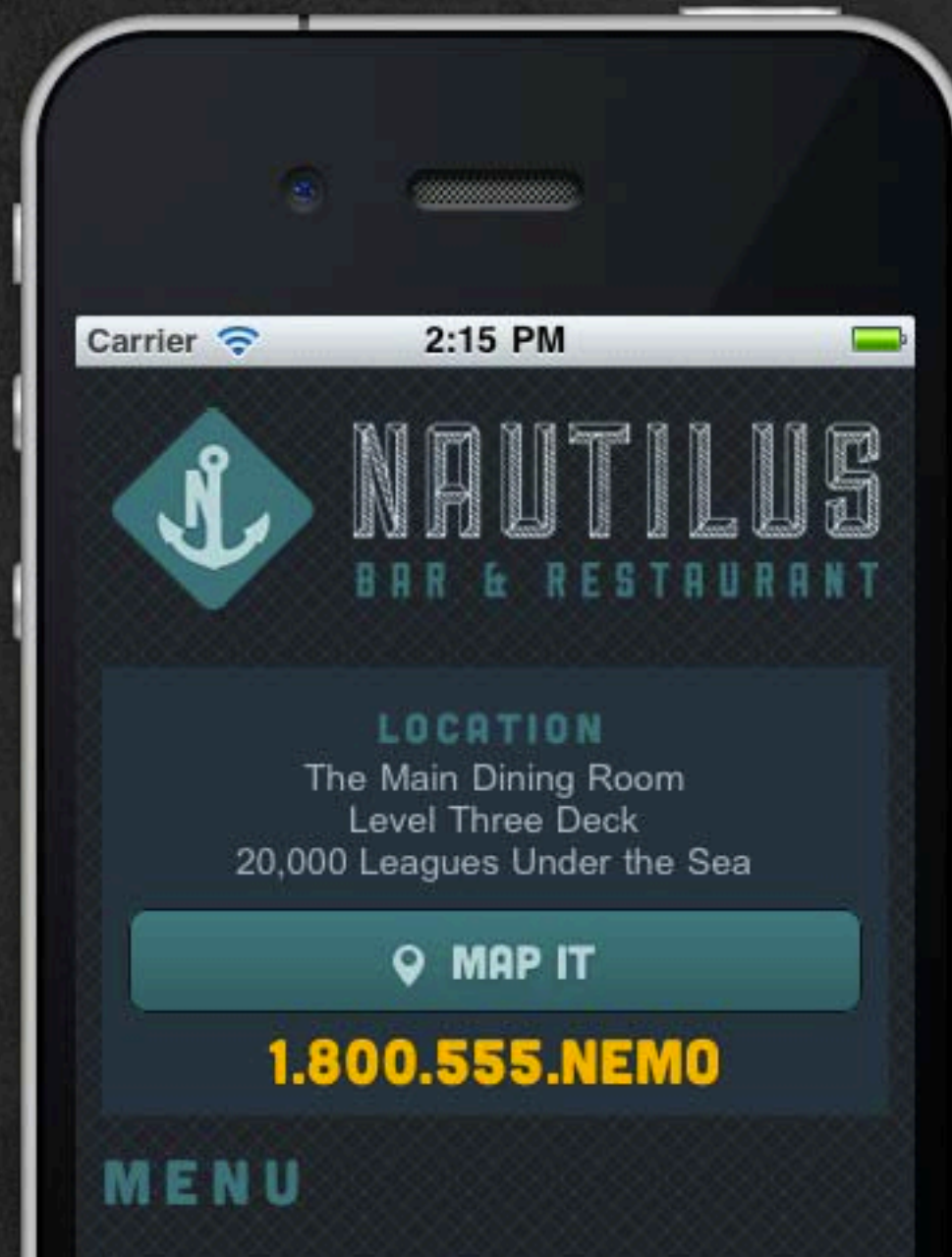
Ethan Marcotte

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RECAP: WHERE WE'VE BEEN

1. *Fluid Layouts* ⟶ limitations with viewport size

2. *Adaptive Design* ⟶ doesn't cover universal web
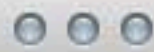
3. *Responsive Design* ⟶ flexible and universal

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RESPONSIVE APPLIED

Responsive Design: content defines break points

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NAUTILUS
BAR & RESTAURANT

LOCATION
The Main Dining Room
Level Three Deck
20,000 Leagues Under the Sea

📍 **MAP IT**

1.800.555.NEMO

870px

MENU

BEVERAGES

RED WINE

Chateau Lafite Rothschild
1865, Pauillac

Chateau Latour
1852, Pauillac

Dow's Port 30yr
1840, Portugal

WHITE WINE

Chateau d'Yquem
1811, Sauternes

Chateau Petrus
1840, Pomerol

Weingut Keller
1865, Reisling

CUISINE

FIRST

Preserve of Sea Cucumber
in milk of the Cetacea

SECOND

Braised Octopus
in Port & Ink reduction

THIRD

Filet of Yellowtail
on seawood slaw

FOURTH

Fruit of the Anemone
with North Sea Fucus Sugar

```
/* < 870px */

@media screen and (max-width: 870px) {



}
```

```css
/* < 870px */

@media screen and (max-width: 870px) {

    /* ----- Header ----- */

    h1 {
        background: url(images/logo_l.png) no-repeat;
        height: 105px;
        margin: 0 auto;
        width: 400px;
    }

    .location {
        background-color: #26343e;
        float: none;
        min-height: 85px;
        margin: 0 auto;
        margin-top: 20px;
        padding: 10px;
        text-align: center;
    }
```
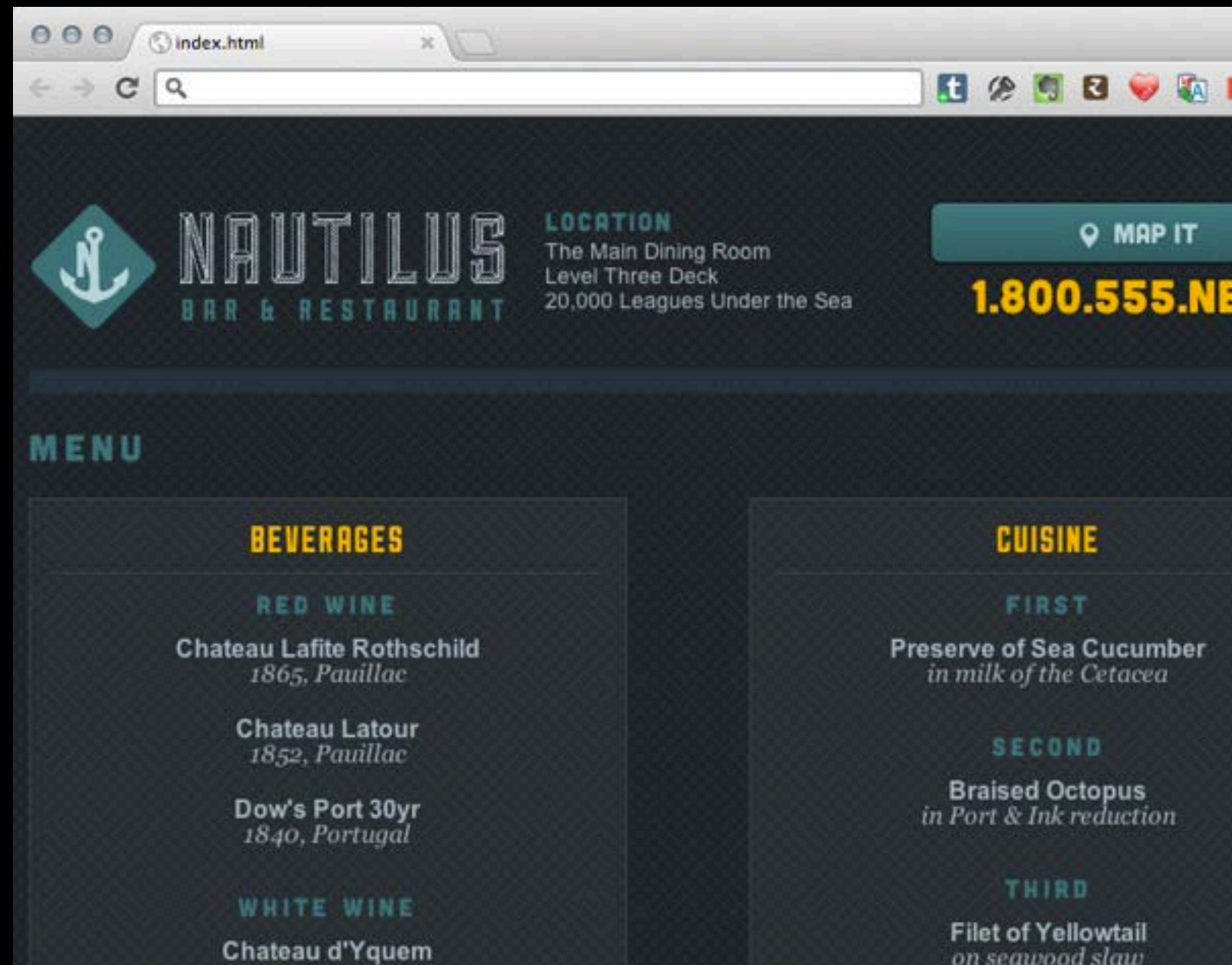
NAUTILUS
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←——— 768px ———→

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```css
/* < 768px */

@media screen and (max-width: 768px) {

  /* ----- Section ----- */

  .box {
    padding: 10px;
    margin: 20px auto;
    width: inherit;
  }
/* ----- Beverages ----- */

  .beverages {
    float: none;
  }

  /* ----- Cuisine ----- */

  .cuisine {
    float: none;
  }
}
```

MENU

BEVERAGES

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Dow's Port 30yr
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CUISINE

FIRST

NAUTILUS
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LOCATION
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⊙ MAP IT

1.800.555.NEMO

510px

MENU

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1840, Portugal

WHITE WINE

Chateau d'Yquem
1811, Sauternes

Chateau Petrus

RESPONSIVE APPLIED

```css
/* < 480px */
@media screen and (max-width: 480px) {

}
```

```css
/* < 510px */
@media screen and (max-width: 510px) {

}
```

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FEATURE NAME	DEFINITION	HAS min- AND max- PREFIXES
width	The width of the display area.	✔
height	The height of the display area.	✔
device-width	The width of the device's rendering surface.	✔
device-height	The height of the device's rendering surface.	✔

FEATURE NAME	DEFINITION	HAS min- AND max- PREFIXES
orientation	Accepts portrait or landscape values.	✕
aspect-ratio	Ratio of the display area's width over its height. For example: on a desktop, you'd be able to query if the browser window is at a 16:9 aspect ratio.	✔
device-aspect-ratio	Ratio of the device's rendering surface width over its height. For example: on a desktop, you'd be able to query if the screen is at a 16:9 aspect ratio.	✔
color	The number of bits per color component of the device. For example, an 8-bit color device would successfully pass a query of (color: 8). Non-color devices should return a value of 0.	✔
color-index	The number of entries in the color lookup table of the output device. For example, @media screen and (min-color-index: 256).	✔

FEATURE NAME	DEFINITION	HAS min- AND max- PREFIXES
monochrome	Similar to color, the monochrome feature lets us test the number of bits per pixel in a monochrome device.	✔
resolution	Tests the density of the pixels in the device, such as screen and (resolution: 72dpi) or screen and (max-resolution: 300dpi).	✔
scan	For tv-based browsing, measures whether the scanning process is either progressive or scan.	✕
grid	Tests whether the device is a grid-based display, like feature phones with one fixed-width font. Can be expressed simply as (grid).	✕
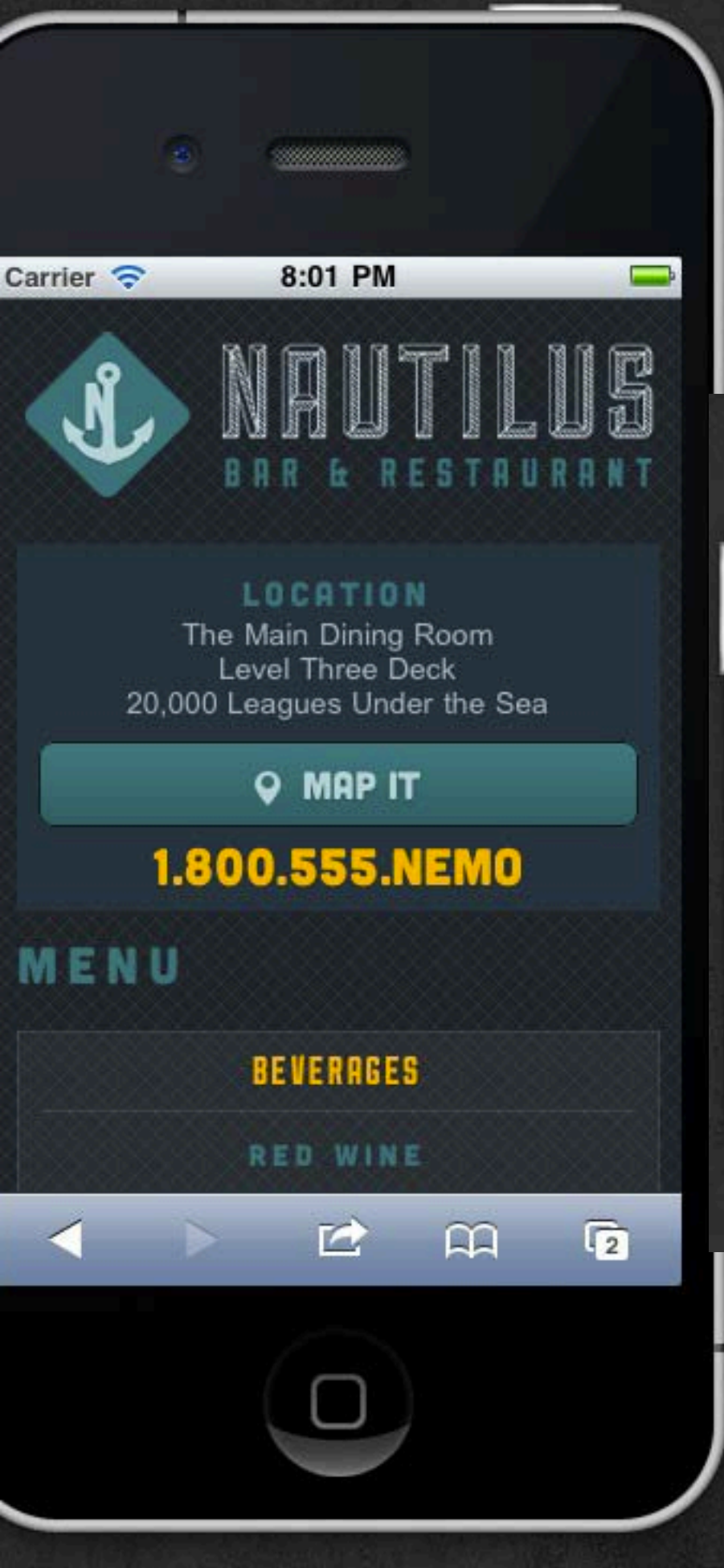
ADVANCED MEDIA QUERIES

```css
/* Portrait */
@media screen and (orientation:portrait) {

    /* Portrait styles */


}
```

```css
/* Landscape */
@media screen and (orientation:landscape) {

    /* Landscape styles */

}
```